

CLAIMS

1. A speaker system comprising:
 - a frame coupled to a magnetic circuit;
 - a first diaphragm fixed on a outer periphery of the frame;
 - 5 a voice coil, one end of which is fixed to the first diaphragm and an other end of which is fit within a magnetic gap of the magnetic circuit;
 - a panel attached to the frame;
 - a room surrounded by the panel to which the first diaphragm is attached; and
 - 10 a second diaphragm acoustically coupled with the room surrounded by the panel,
 - wherein, the second diaphragm has a coating layer on a surface.
2. The speaker system according to Claim 1, wherein the coating layer is
15 formed of scratch-resistant material.
3. The speaker system according to Claim 1, wherein the coating layer is formed of heat-resistant material.
- 20 4. The speaker system according to Claim 1, wherein the coating layer is formed of antireflection material.
5. The speaker system according to Claim 1, wherein at least one surface of the second diaphragm has single-layered, or multi-layered coating material
25 formed of any one of scratch-resistant, heat-resistant, and antireflection materials.

6. The speaker system according to any one of Claim 1 through Claim 5, wherein the first diaphragm is smaller than the second diaphragm.

7. The speaker system according to any one of Claim 1 through Claim 5,
5 wherein the second diaphragm is a transparent film.

8. The speaker system according to any one of Claim 1 through Claim 5, wherein the panel is made of a transparent material.

10 9. The speaker system according to any one of Claim 1 through Claim 5, wherein the second diaphragm is a transparent film, and the panel is made of a transparent material.

10. The speaker system according to any one of Claim 1 through Claim 5,
15 wherein the second diaphragm has microscopic irregularity on a surface confronting the panel.

11. The speaker system according to any one of Claim 1 through Claim 5, wherein the panel has microscopic irregularity on a surface confronting the
20 second diaphragm.

12. The speaker system according to Claim 1, wherein the frame forms a first room surrounding the first diaphragm, the second diaphragm and the panel form a second room, and the first room and the second room are
25 connected through a hole.

13. A speaker module comprising:

a speaker system described in Claim 9; and

a display section,

wherein, the display section is attached under the speaker system and the display section can be seen through the second diaphragm or the panel.

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14. An electronic device comprising:

a speaker module described in Claim 13; and

an operating section,

wherein, a user can operate the operating section while watching the display section through the second diaphragm or the panel.

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